Course: PHYS 605
Term: Fall 2017
Room: HBH22
Class: Tues 2:30-5:30PM

INSTRUCTOR CONTACT INFORMATION

Instructor: Peter Nordlander
Office: BH 308
Email: nordland@rice.edu
Office Hours: After consultation

Grader: None

COURSE OBJECTIVES AND LEARNING OUTCOMES

Computational Electrodynamics and Nanophotonics, Plasmonics, Numerical Methods, Mie theory, the Finite Element Method, the Boundary Element Method, the Green's function method, the Finite-Difference Time-Domain Method, the Discrete Dipole Approximation, …

REQUIRED TEXTS AND MATERIALS

Lecture notes

EXAMS AND PAPERS

Final Oral Exam

GRADE POLICIES

The grade is determined from Homework (33%), Student Presentations (33%), and the final exam (33%).

ABSENCE POLICIES

The students should try to attend class since the lectures include expanded material

RICE HONOR CODE

In this course, all students will be held to the standards of the Rice Honor Code, a code that you pledged to honor when you matriculated at this institution. If you are unfamiliar with the details of this code and how it is administered, you should consult the Honor System Handbook at http://honor.rice.edu/honor-system-handbook/. This handbook outlines the University's expectations for the integrity of your academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process.

DISABILITY SUPPORT SERVICES

If you have a documented disability or other condition that may affect academic performance you should: 1) make sure this documentation is on file with Disability Support Services (Allen Center, Room 111 / adarice@rice.edu / x5841) to determine the accommodations you need; and 2) talk with me to discuss your accommodation needs.

SYLLABUS CHANGE POLICY

This syllabus is only a guide for the course and is subject to change with advanced notice.